TRANSPORTER

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FOR EMPLOYEES OF THE
DEPARTMENT OF TRANSPORTATION
STATE OF NEW JERSEY

MINIATURES SAVE TIME AND MONEY

For years the creation of miniatures has fascinated young and old. Today, not only is it enjoyed as a hobby, but many create miniature models as a profession for extensive experimentation and to solve problems confronting design engineers and builders at great savings in time and money.

One such professional is Ted Spawn, Jr., Model Maker I with the Office of Information Services. Together with Model Makers Pete Stam and Earl Crockett, he creates miniature superhighways, roads, bridges, buildings, automobiles--anything that will give the layouts a three-dimensional look.

Creation of the model begins with aerial photos, contour maps and preliminary studies of the area. Contour lines are traced on cardboard, cut out like jig-saw puzzles, and placed so that differences in terrain can be re-

Ted Spawn, Jr., carefully places a miniature building on a scale model created in the Department's model shop.

produced to an exact scale.

The lightweight models are built with Upson board. Hills and dales are created with various fillers. Sand and flock sprinkled over areas coated with adhesive liquid and sprayed with green paint become grassy fields. Chopped sponge appears as trees and foliage. Replicas of buildings add a realistic touch. When autos are needed, the initial model is made of wood by the Department's model makers. Then a rubber mold is made of the wooden model to reproduce the tiny cars in an assembly-line operation.

Department models enable engineers to make a survey of the proposed area to determine the particular route, plot bridges and plan drainage at a saving of many months in time and thousands of dollars. Road elevations can be determined immediately and road curves can be placed better for safety and building economy. Basically, Department models are used to illustrate hearings on new highways, to enable engineers to make three-dimensional studies of proposed roads and bridge construction, and for use at public displays.

Although the Department made use of model building as far back as 1928, it wasn't until Spawn started in 1947 that it became a full-time operation. He brought with him considerable experience in model building since he was responsible for the creation of beach invasion models. These were used for pilot and invasion troop study and planning in the South Pacific while he was with the Army during World War II.

IDEAS EARN $$

Two Department employees are richer because their ideas paid off in the Suggestion Award program. Heading the latest list of 12 award winners in New Jersey State Employees' Suggestion Awards Program is John M. Goulding, Supervisor of Signs, who received $652.10 for suggesting the use of lighter sheet aluminum stock for signs.

The other Department employee, Mrs. Margaret D. Griggs, Clinic Nurse, received $25 for suggesting that all Department dispensary telephone numbers be added to all Centrex telephone books.

THREE REACH 35 YEARS

Three of the 15 Department employees who started with the Electrical Bureau when it was organized in 1937 have reached a milestone with 35 years of service. They are: John T. Krol, Supervisor of District III; Armin Schleter, Assistant Supervisor of District III and Armand Innocenzi, Foreman, Electrical Construction Inspection.

"We've come a long way from those early days," says Mr. Krol. Before the Bureau was divided into four districts in 1955, he said, the group working out of Trenton covered the entire State. He recalled that men were driven

Commissioner Kohl congratulates James L. Morrison, Highway Engineer with Road Design, who recently was elected president of the Mercer County Society of Professional Engineers. Looking on is Edwin L. Jones, Acting Chief, Bureau of Special Engineering with Design, the Society's past president and newly elected treasurer.

to the job in an open truck regardless of the weather. He also recalled that all work was done by hand and that the bureau worked 10 hours a day, 6 days a week. "Before radio communications," he added, "it usually took several hours before emergency jobs could be started because we had no contact with the men in the field until they called in each day by telephone--about noontime."

MORE THAN 4,400 ATTEND TRAINING PROGRAMS

School's out for more than 4,400 employees who have attended various Department Training Programs.

During the current fiscal year, supervisors attended the Employees Performance Evaluation and Improvement System training, and all employees completed the Orientation Program.

Other training programs which the Training Section handled included: Management Development, Labor Relations, Data Processing, Report Writing, Maintenance Training and Technical Programs

CREDIT UNION INTEREST UPPED TO 5%

The Department Credit Union has announced that its interest earned on Shares, Christmas and Vacation Savings has been increased from 4½ percent to 5 percent, according to Ray Malone, president.

FIVE RETIRE

A retirement dinner was held recently for Charles A. Van Antwerpen, Highway Engineer with Design, in honor of his 42 years of service, and one for Albert A. Zampella, Principal Engineer with Construction and Maintenance in Region II, for his 23 years of service.

Other employees who retired are: Archie Perrine, Truck Driver with 49 years; Anthony J. Frascella, Highway Maintenance Foreman with 40 years and Earl Lewis, Truck Driver with 35 years.

RISTOW TO BE HONORED

A retirement dinner honoring Edward H. Ristow, Supervisor of Records with Central Services, for his 51 years of service will be held September 16 at the Nassau Inn in Princeton.

The affair will start at 6:30 p.m. with dinner at 7:30 p.m. Anyone wishing to attend may contact either Elizabeth Verdi (3483), Marion Heller (3162) or Caroline Weaver (3143).

The Department makes every effort to keep traffic moving while State roads are being resurfaced. Helping in this activity is operation "wet-down" which permits traffic to move immediately over freshly-laid and rolled blacktop, cooled with water.

Without wet-down, it takes from one to two hours for blacktop to cool or harden sufficiently before vehicles can travel on it. Since one lane is kept open for traffic while the other is being resurfaced, only intersections are wet down.

Left to right are Charles Pennell, Truck Driver, controlling the water outlet and Sidney Young, Equipment Operator, wetting down an intersection on Route 42 near Turnersville. Both employees are with Maintenance.

Happy Notes

United in marriage recently during a wedding ceremony held in the Roman Catholic Church of the Incarnation were ***Miss Deborah A. Magyar,*** Clerk Stenographer with Personnel, and John Anthony Mendola. The Rev. Daniel Kean performed the ceremony. The couple honeymooned in the Pocono Mountains.

Mr. and Mrs. ***Nicholas Mina*** recently celebrated their 25th Wedding Anniversary with relatives and friends at a dinner held at the Ilvento's Restaurant in Jersey City. Mr. Mina is an Electrical Foreman with Traffic Engineering in Region II. The affair was arranged by their daughters Linda and Cathy.

Mrs. Sharon Beck, Principal Clerk-Stenographer with Data Resources, and her husband, Gordon, are the proud parents of an 8-pound, 7-ounce baby girl recently born in Mercer Hospital, Trenton, The couple have two other children.

The Holy Cross Catholic Church of Trenton was the setting recently for the marriage of ***Miss Deborah Szuter,*** Senior Clerk Stenographer with Aeronautics, to Bruce Beckman, Prison Guard with the New Jersey State Prison. The couple honeymooned seven days in Jamaica.

Lawrence J. Zazzo, son of Mr. and Mrs. ***Lawrence B. Zazzo,*** received a degree in medicine from the Philadelphia College of Ostepathic Medicine and the Wilbur F. Lutz, D. O. Memorial Award at commencement exercises recently held at the University of Pennsylvania. Mr. Zazzo is Principal Engineer with Construction in Region III. Dr. Zazzo is a former summer employee with the Traffic, Testing and Research Bureaus.

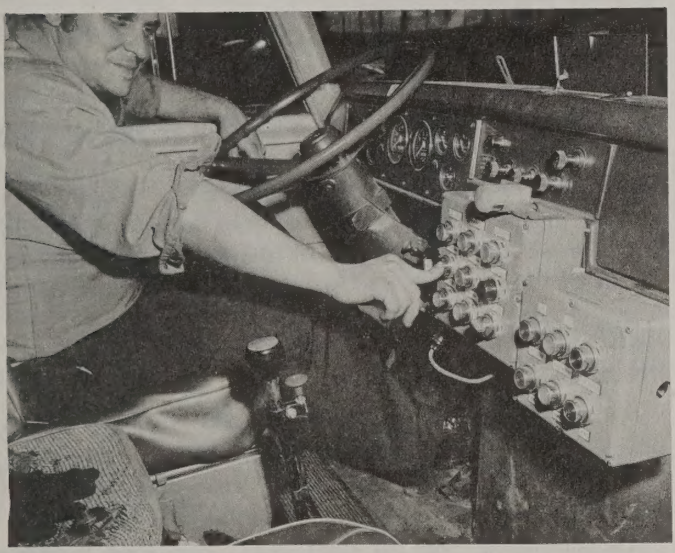
Thomas R. Ryan, Highway Engineer Road Design with the Division of Design, was recently installed as Grand Knight of the Howell Township Knights of Columbus, Council No. 6201.

Miss Christine M. Bilecki, Senior Clerk Typist with Design, recently exchanged marriage vows during a ceremony held at the Incarnation Roman Catholic Church in Ewing Township. The couple honeymooned 10 days at Montego Bay, Jamaica.

Mrs. Betty Stewart, Clerk-Stenorgrapher, at the Cherry Hill Maintenance Office, and Mr. William L. Stewart have announced the engagement of their daughter, Miss Arlene Elizabeth Stewart, to Mr. James C. Clark. Miss Stewart is a sophomore and Mr. Clark is a senior at Shippenburg State College.

Incarnation Roman Catholic Church provided the setting recently for the wedding of ***Miss Linda Gail Gephart,*** Technical Assistant, Graphic Arts with Central Services and the daughter of Mr. and Mrs Franklin E. Gephart, to ***James B. Petersack,*** Engineering Aide with Materials. The couple visited Disney World in Orlando, Fla.

John J. DeMarco, Bridge Repairman with Construction and Maintenance, and his wife, recently celebrated their 40th wedding anniversary. The couple was feted at a dinner at Midway Hotel in Buena.



Some truck cabs these days look more like airplane cockpits with all their pushbuttons, levers, lights and gauges. Thomas Helmlinger, Repairman with the Bureau of Equipment, presses one of the many elecro-hydradulic pushbutton controls in one of the 12 six-ton dump trucks recently purchased by the Department.

By pushing a button and watching a light, Tom can tell instantly when the truck body is positioned at a dumping angle of either 20, 30, 40 or 50 degrees. There are buttons to start and stop a spreader and to control the amount of material spread. Others control the vertical and horizontal movements of a snow plow. Some of the recently purchased dump trucks are even equipped with an airplane-type dashboard lever which controls the truck's automatic transmission.

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REED REPRESENTS STATE AT YAB MEETING

Robert R. Reed, Jr., Assistant Industrial Engineer with Data Processing, represented the State at the Annual Youth Advisory Board Meeting (YAB) recently held in Madison, Wis.

Mr. Reed is a member of the Department's YAB, organized October 1971 to present a youthful point of view to the Department's Credit Union. He was selected out of 605 YAB members representing a similar number of various credit unions throughout New Jersey.

Other members of the Department's newly organized YAB are: Chairwomen Janice Rita, Senior Clerk Typist with Contract Administration; Vice Chairman Michael Crea, Offset Machine Operator with Central Services; Elizabeth Hooker, Senior Audit Account Clerk with the Audit Bureau; and Steven Palmer, Engineering Aide II with Design.

COVER

Pete Stam, Model Maker with the Office of Information Services, uses an airbrush to paint a block of wood which will serve as a replica of a building on the contour model of a highway. In the background is one of the many reproductions created to scale by the Department's model makers. (See story)